

## **ADDENDUM TO FIVE-YEAR REVIEW REPORT**

### **MIDCO II, GARY, INDIANA ISSUED ON 10/29/98**

#### **INTRODUCTION and PURPOSE**

This Addendum responds to the memorandum from Larry G. Reed, dated August 27, 2001 regarding "Five-Year Review Program Initiatives" and the initiative to review those sites where the protectiveness statement within the Five-Year Report for the MIDCO II Site was questioned by Resources for the Future (RFF). This Addendum clarifies the protectiveness of the remedy at the MIDCO II Site, Gary, Indiana.

#### **V. PROTECTIVENESS EVALUATION**

##### **SEDIMENT/SOIL EXCAVATION**

Midco II has an approximately 7 acre source area and is located in a heavily industrialized and urban area. The property is zoned industrial. Industrial Highway, which fronts the south side of the site is a major truck and traffic route. Sediment excavation is required along approximately 1300 feet of the ditch, which borders the north end of Midco II. The total area of excavation covers a total area of only about 1 acre. The ditch was apparently constructed in conjunction with adjacent railroad tracks, which border the north side of the site. A number of large industrial facilities and areas of relatively undisturbed wetlands lie north of the railroad tracks. The ditch also drains the north end of properties along Industrial Highway, which include a couple junk yards and a number of closed small manufacturing facilities. The Gary-Chicago Airport lies south of Industrial Highway.

Although elevated levels of arsenic and polyaromatic hydrocarbons remain in the unexcavated sediments, value of this area as an aquatic habitat is very low. EPA took this information (small affected area and small value as a habitat) into account in allowing the MRC to enclose the sediment area with a fence and divert ditch water around the contaminated sediment area as an interim measure. In addition, it will be less costly and more convenient for the MRC to further address the excavated areas in conjunction with construction of the final site cover than to conduct a special evaluation of the hazard and mobilize to take an action now.

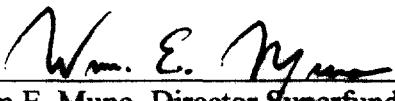
##### **GROUND WATER CAPTURE**

Since the date of the Five-Year Review, the MRC has been successful in increasing the ground water extraction rates to the rates specified in the design. However, further evaluation has demonstrated that the pump and treatment system still is not achieving the required capture zone because the system was underdesigned due to use of too low of a hydraulic conductivity for the design. Pump tests, and repetition of the capture zone evaluation using additional peizometers has resulted in a much improved estimate of the hydraulic conductivity. This information is now being used to improve the design of the pump and treatment system.

## VII. STATEMENT OF PROTECTIVENESS AND FUTURE REVIEWS

The remedy is considered protective in the short-term, because there is no evidence that there is current exposure. However, in order for the remedy to remain protective in the long-term, the following measures need to be taken:

- the pump and treatment system has to be improved so that it achieves the required capture zone;
- the sediment areas either have to be further excavated or filled-in with clean soil;
- the soil treatment and site cover phases have to be implemented.

  
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William E. Muno, Director Superfund Division  
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9/28/01  
Date